# CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

**NABL** - Accredited Laboratory as per ISO / IEC-17025 :2005

T-2377


Job No.: CTCE/BBMP/KRIDL/W.No.13/CSR-04/311f/Cube/2017-18 15.05.2017

## TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

| | | |
|---|---|---|
| * Customer | : | **Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore. |
| * Agency | : | **Technical Manager (West),** KRIDL, Bangalore. |
| * Name of the work | : | Improvements of cement concrete roads and RCC drains at 2nd cross opp. St. Marys school 5th cross Kalyana Nagara 15th A cross and 17th A and C Cross adjusted to dasarahalli main road and 4th cross 6th cross 3rd main road and opp. to CSI holy Church road in Ward No.13, Shettyhalli Sub Division, BBMP, Bangalore. |
| * Reference | : | BBMP/EE/DD/WO/115/2016-17 Dated: 27.01.2017 |
| * Sample ID | : | RCC Drain Concrete |
| Technical Reference | : | IS: 516-1959 (RA-2013) |
| Size of cubes | : | 150mmx150mmx150mm |
| Cross Sectional Area | : | 22500 $mm^2$ |
| * Grade of Concrete | : | $M_{20}$ |
| Compressive Strength as on | : | $28^{th}$ day |
| Sample Received on | : | 15.05.2017 |

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 17.04.2017 | 15.05.2017 | 8.129 | 483.5 | 21.49 |
| 2 | 17.04.2017 | 15.05.2017 | 8.395 | 496.5 | 22.07 |
| 3 | 17.04.2017 | 15.05.2017 | 8.205 | 508.6 | 22.60 |

*Information is furnished by the Customer/Representative.

Note:

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⇒Any Query regarding the report must be reported within 30 days from the date of testing.

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VIDYARANI P.K.
Technical Manager

AE-13

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

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| Cross Sectional Area | : | 22500 $mm^2$ |
| * Grade of Concrete | : | $M_{20}$ |
| Compressive Strength as on | : | $28^{th}$ day |
| Sample Received on | : | 17.05.2017 |

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 19.04.2017 | 17.05.2017 | 8.299 | 492.3 | 21.88 |
| 2 | 19.04.2017 | 17.05.2017 | 8.327 | 516.6 | 22.96 |
| 3 | 19.04.2017 | 17.05.2017 | 8.418 | 524.5 | 23.31 |

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| Sample Received on | : | 17.05.2017 |

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 19.04.2017 | 17.05.2017 | 8.321 | 492.3 | 21.88 |
| 2 | 19.04.2017 | 17.05.2017 | 8.415 | 506.3 | 22.50 |
| 3 | 19.04.2017 | 17.05.2017 | 8.285 | 528.9 | 23.51 |

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| Sample Received on | : | 17.05.2017 |

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 19.04.2017 | 17.05.2017 | 8.182 | 475.5 | 21.13 |
| 2 | 19.04.2017 | 17.05.2017 | 8.297 | 482.3 | 21.44 |
| 3 | 19.04.2017 | 17.05.2017 | 8.305 | 506.2 | 22.50 |

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| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 21.04.2017 | 19.05.2017 | 8.225 | 480.3 | 21.35 |
| 2 | 21.04.2017 | 19.05.2017 | 8.328 | 490.7 | 21.81 |
| 3 | 21.04.2017 | 19.05.2017 | 8.456 | 501.4 | 22.28 |

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